

Base Recovery After Attack Command and Control



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This Presentation is:
UNCLASSIFIED



Purpose

- Familiarize the student with
 - Base Recovery After Attack (BRAAT)
 - The role of the MWSS Aviation Ground Support Operations Center (AGSOC) in regards to BRAAT
 - BRAAT organization, functions, and responsibilities
 - BRAAT communication requirements
 - Provide recommended training criteria for BRAAT



Enabling Learning Objectives

- Identify who is ultimately responsible for base recovery after an enemy attack
- Explain what the mission of the AGSOC is and who it reports to during BRAAT operations
- Name the BRAAT organizations and describe their responsibilities
- State the recommended BRAAT training criteria for an MWSS organization



Scope

- Base Recovery After Attack (BRAAT)
- The role of the AGSOC during BRAAT
- BRAAT Organization
- BRAAT communication requirements
- Recommended training criteria for BRAAT



BRAAT

- During BRAAT, the MWSS is responsible to the ACE commander for all recovery and base support activities
- MWSS operates emergency power and provides other essential services to maintain operations
- Primary effort is to restore FOB's ability to launch and recover aircraft

BRAAT



- Initial recovery actions
 - Damage assessment (airfield and facilities)
 - Minimum Operating Strip (MOS) selection
 - Explosive ordnance recon and clearance
 - NBC decontamination
 - Search and rescue
 - Fire fighting
 - Isolate damaged utilities
 - Debris clean-up

BRAAT



Damage Assessment & Response

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Airfield & Air Base Repairs

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Sustained AGS to FOB / ACE

The word "BRAAT" is written in bold, orange, sans-serif capital letters. It is centered within a white, multi-pointed starburst shape that has a thick orange outline. The starburst has a jagged, explosive appearance.

BRAAT

AGSOC and BRAAT Operations



- AGSOC becomes the focal point for air base's BRAAT and subsequent RRR operations
 - Develops recovery strategy for ACE / Air Base commander's approval
 - Recommends repair priorities
 - Directs and supervises recovery and repair operations and organizations

AGSOC and BRAAT Operations



- Includes all ACE elements in the area

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- Established to direct all base operability, survivability, and recovery operations

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- MWSS CO and staff form nerve center



AGSOC and BRAAT Operations

- Includes all ACE elements in the area
- Established to direct all base operability, survivability, and recovery operations
- MWSS CO and staff form nerve center
- Collect, analyze, prioritize, display, and report information on air base and recovery operation status



AGSOC Organization

- The AGSOC is comprised of:
 - MWSS Commanding Officer
 - S-3 Operations Officer
 - S-4 Logistics Officer
 - S-6 Communications Officer
 - Airfield Operations Officer
 - EAF Officer
 - ARFF Officer (if not the same as EAF O)
 - Engineer Operations Officer



AGSOC Organization

- Motor Transport Officer
- Weather Officer
- NBC Officer/Chief
- EOD Officer
- Medical Officer
- Military Police Officer
- **RRR OIC** (if different from Engr O)
- **MOS Selection Team**
- *Note: Hand held radios may negate physical AGSOC manning requirements*

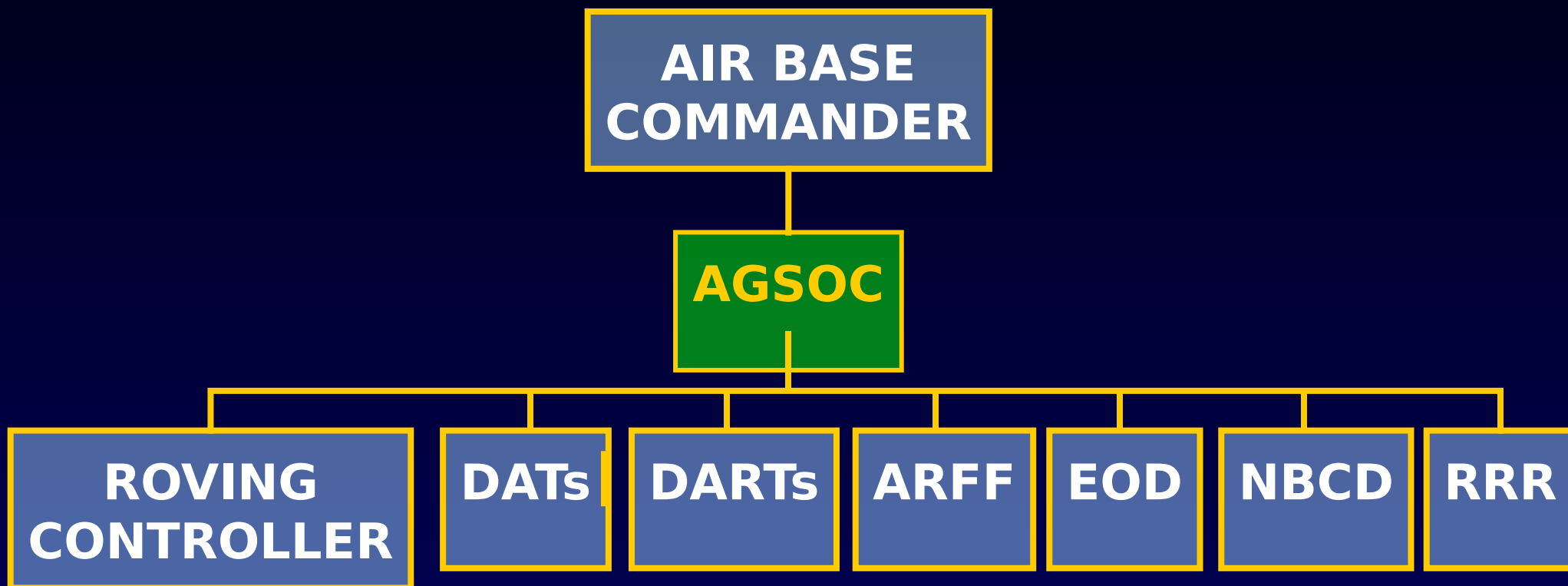


BRAAT Organization

- BRAAT Organization consists of:
 - Roving Controller
 - Damage Assessment Teams (DAT)
 - Damage Assessment Response Teams (DART)
 - Aircraft Rescue and Fire Fighting (ARFF)
 - Explosive Ordnance Disposal (EOD)
 - Nuclear, Biological, and Chemical Defense
 - RRR Organization



BRAAT Organization





BRAAT Organization

- Roving Controller
 - Mobile eyes and ears of the AGSOC
 - Supervises BRAAT operations out in the field
 - Provides the AGSOC with periodic status reports and updates of BRAAT operations

BRAAT Organization



- Damage Assessment Team (DAT)
 - Responsible for reconnoitering and surveying airfield for damage
 - Craters, spalls, and UXO on runways, taxiways, parking aprons, and facilities along the airfield which directly support airfield operations
 - Reports damage and UXO information to AGSOC (RRR OIC and MOS Selection Team)

BRAAT Organization



- DAT (continued)
 - Recommended number of DATs at FOBs
 - Main Base = Minimum of four teams
 - Air Facilities = Minimum of two teams
 - Number of teams is situational dependant on area to cover and resources
 - The more the better / faster
 - Composition = seven Marines per team
 - Team Leader, Comm/Driver, two EOD Techs, two crater assessors, and a spall assessor

BRAAT Organization



- Damage Assessment Response Team (DART)
 - Assess damage to air base support areas
 - Critical Command and Control facilities
 - Working areas and air base infrastructure
 - Air base services and billeting areas
 - Reports UXO and damage info to AGSOC
 - Telephones and communications
 - Electrical power and water



BRAAT Organization

- DART (continued)
 - Recommend three DARTs per Main Base
 - Number of DARTs required is situational dependant on availability of resources and area(s) that have to be covered
 - The more the better / faster
 - Composed of mixture of technical experts
 - Based on facilities/utilities in area being covered
 - Utilities, comm, electrical, construction, etc.



BRAAT Organization

- DART (continued)
 - Priority list
 - Command and Control facilities
 - Communications facilities
 - POL/ASP facilities
 - Fire Fighting facilities
 - Medical facilities
 - Utility facilities
 - Any other identified/specified facilities

BRAAT Organization



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- Aircraft Rescue and Fire Fighting (ARFF)
 - Responsible for critical fire fighting requirements on the air base
 - Conducts search and rescue operations



BRAAT Organization

- Explosive Ordnance Disposal (EOD)
 - Responsible for accurately identifying and classifying UXO
 - Performs UXO removal and rendering safe procedures
 - Oversees activities of others in hazardous UXO environment



BRAAT Organization

- Nuclear, Biological, and Chemical Defense (NBCD)
 - Responsible for NBCD survey teams and plotting NBC contamination
 - Advises the AGSOC on NBC hazards
 - Initiates decontamination operations

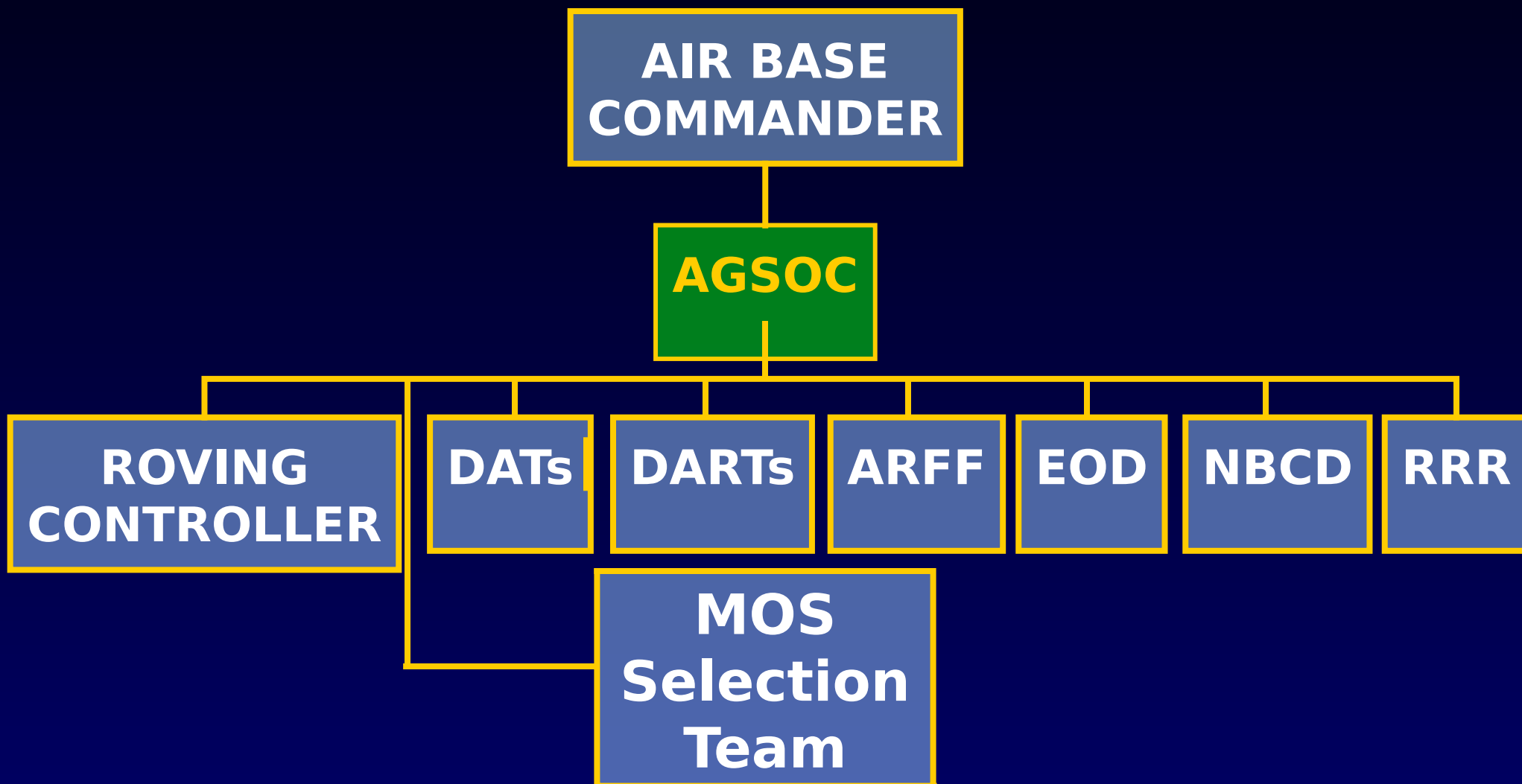
BRAAT Organization



- Rapid Runway Repair (RRR) Organization
 - Crater Crew
 - Crater Repair Crews
 - FOD Cover Crews
 - Hauling Crew
 - Support Crew
 - Crater Support (MT, Maint, and Fuels Dets)
 - Spall Repair Crews
 - Aircraft Recovery (Cleaning/Sweeping, MOS Lighting/Marking, and M21 Crews)



BRAAT Organization





Post Attack Recovery

- After attack, the Air Base Commander will activate the air base's recovery (BRAAT)
- Air base attack conditions:
 - Yellow = Attack imminent (0-4 HRS)
 - Red = Air base under attack
 - Black = Attack ceased
 - Green = Prepare for second attack
 - *Note: Whatever signal(s) used, they should correspond with signals used for other activities like ABGD*



BRAAT Communications

- Vital part of operation
- Requires detailed planning due to limited number of frequencies normally available
 - Who needs to talk to who
 - Efficient asset distribution
 - Prioritization of radio net/frequencies allocation



BRAAT Communications

- AGSOC must have communications with all the BRAAT agencies
 - Roving Controller
 - DAT and DART Teams
 - RRR OIC
 - ARFF
 - EOD
 - NBCD

BRAAT COMMUNICATION



BRAAT UNITS / NETS	MWSS CMD	ABGD CMD	BRAAT CMD	RRR CMD	RRR COORD
AGSOC	P	P	P		
DAT Teams			P		
DART Teams			P		
ARFF	P		M		
EOD	P		M		
NBCD	P	M	M		
Roving Controller			P		
RRR OIC			P	P	
Crater Crew Chief				P	CC NET
Crater Repair Crews					CC NET
FOD Cover Crews					CC NET
Support Crew Chief				P	SPT NET
Crater Support Crew					SPT NET
MT Detachment					SPT NET
Maint Detachment					SPT NET
Fuels Detachment					SPT NET
Spall Repair Crews					SPT NET
Aircraft Recovery Crew					SPT NET
Clearing/Sweeping Crew					SPT NET
MOS Lighting/Marking Crew					SPT NET
M21 Arresting Gear Crew					SPT NET
Hauling Crew Chief				P	HAUL NET
Hauling Crew					HAUL NET
P = Primary Coordination Net / M = Monitor					
If possible, each sub-RRR agency should have its own internal net in order to coordinate its activities					



BRAAT Communications

- Need to establish redundancy in communications
 - Telephone
 - Radio
 - Field telephone
 - Messenger
 - Combination
- Primary and alternate means depends on the agency

BRAAT Training Criteria



- Training (recommended):
 - One squadron instructional exercise per year
 - One squadron operational exercise per year
 - Section level RRR training on a quarterly basis



BRAAT Training Criteria

- Training and proficiency evaluated through established MCCRES standards
 - MCO 3501.17: MCCRES; Vol XIII, MWSG Units
- RRR individual and unit training available
 - USAF Silver Flag, Tyndall AFB FL
 - USN Port Hueneme CA



Summary

- What BRAAT is
- The role of the AGSOC in BRAAT operations
- BRAAT Organization
- BRAAT Communications
- Recommended training criteria for BRAAT

